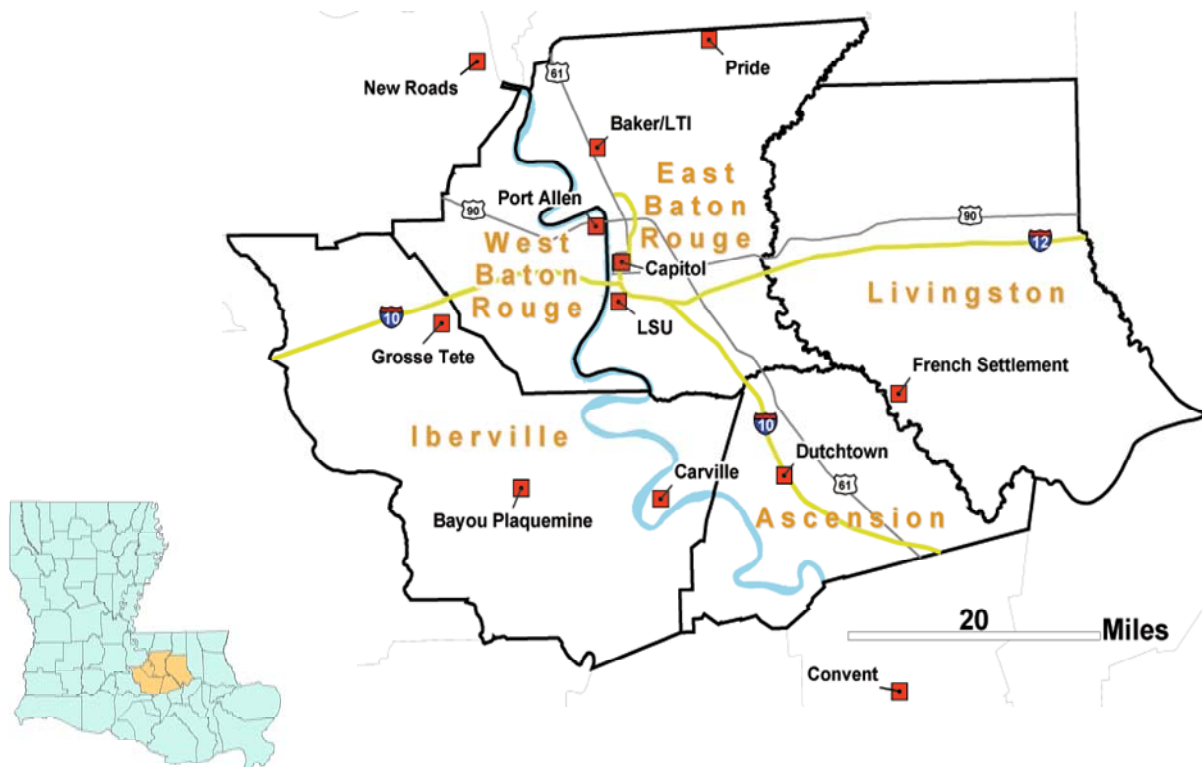




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Greater Baton Rouge Ozone Non-Attainment Area

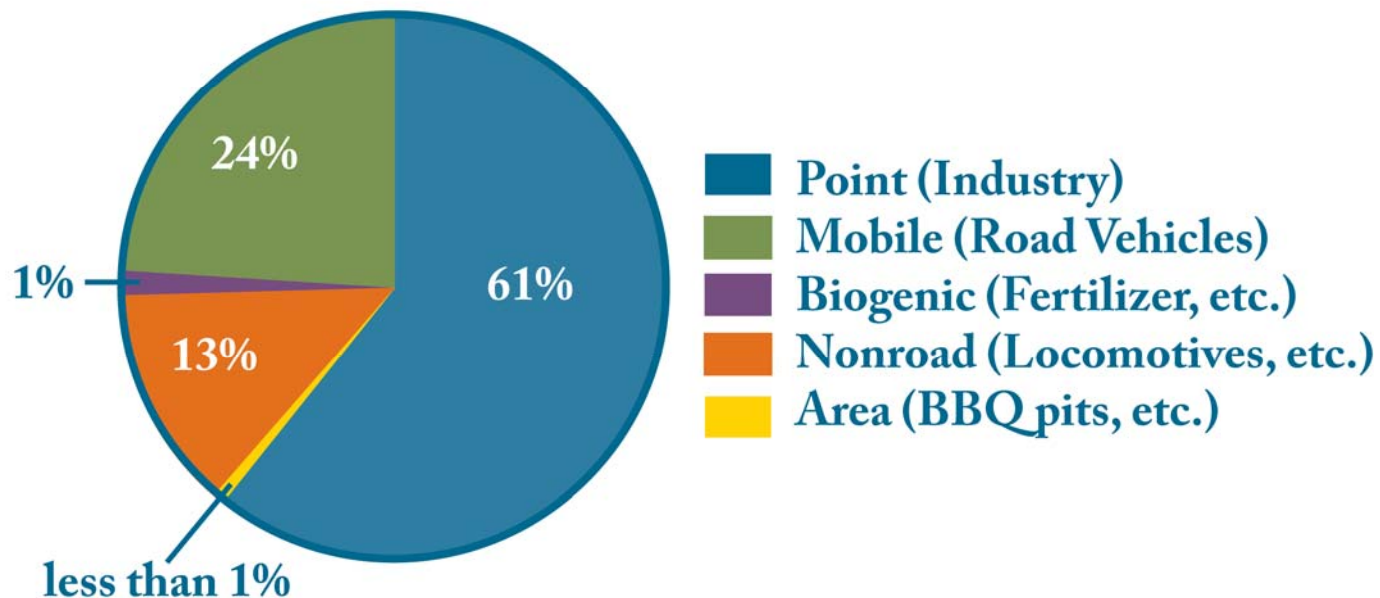


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CONTRIBUTION OF ALL SOURCES IN 5 PARISH BATON ROUGE AREA, 1999

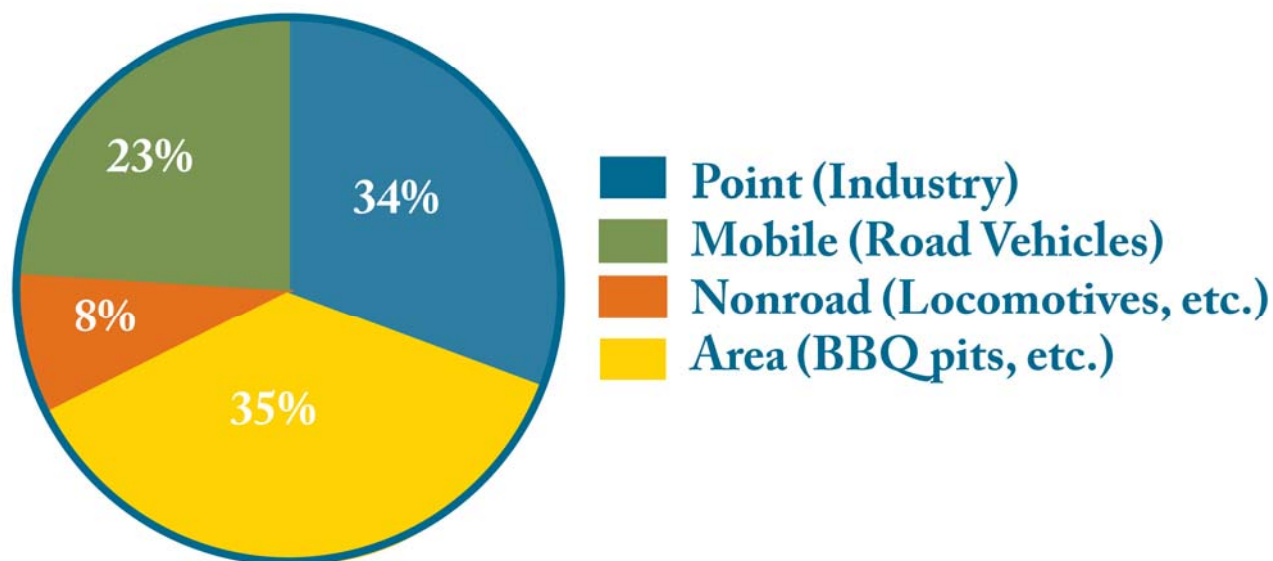
TONS PER DAY OF NITROGEN OXIDES





CONTRIBUTION OF MANMADE SOURCES IN 5 PARISH BATON ROUGE AREA, 1999

TONS PER DAY OF VOLATILE ORGANIC COMPOUNDS





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OZONE SEASON 2006

Ozone - Where We Are

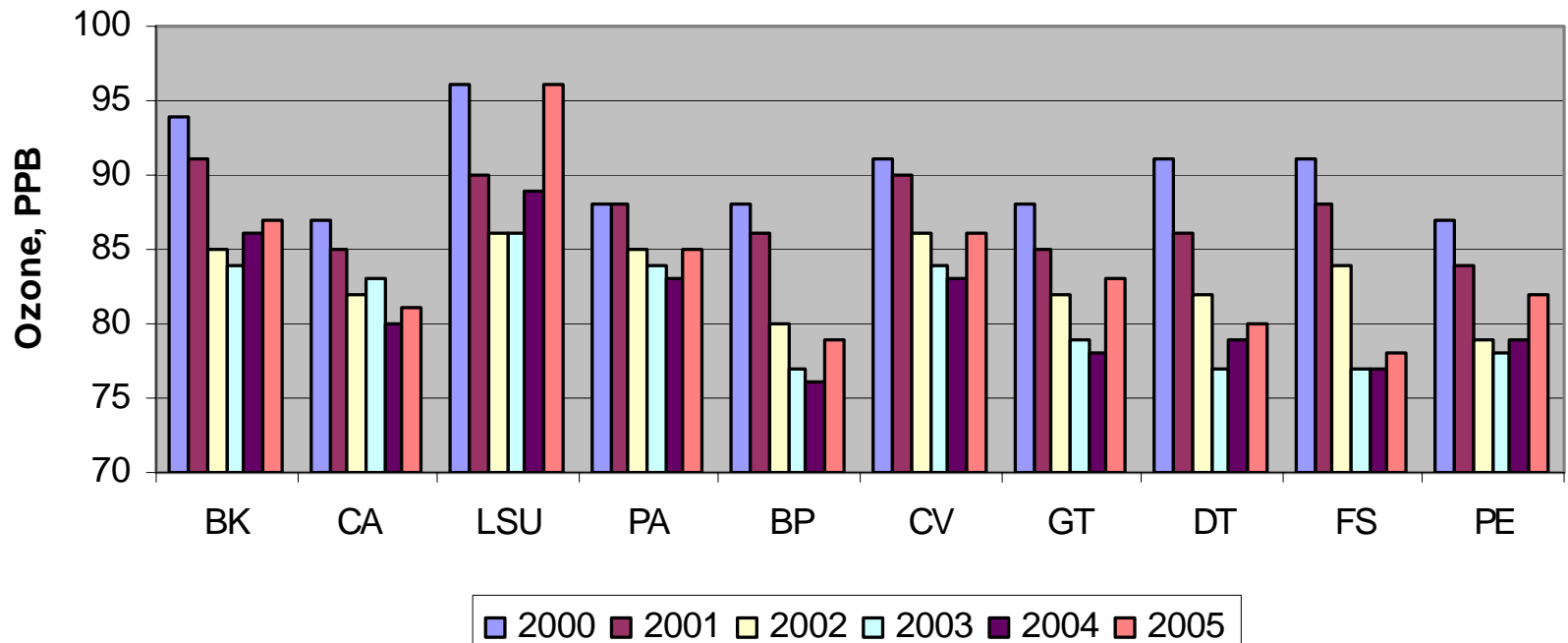
- The Baton Rouge ozone nonattainment area, East and West Baton Rouge, Livingston, Ascension and Iberville parishes are marginal for the EPA 8-hour standard
- The deadline for attainment for “marginal” areas is June 16, 2007 and we now know we will not meet that deadline
- We will be “bumped up” to moderate with a new attainment date of June 15, 2010
- This means we have to be in attainment for 2009
- That is why it is so important for industry, individuals and communities to work to reduce emission of ozone precursors, VOCs and NOx
- With the exception ozone within the five-parishes, Louisiana is in compliance with all other national ambient air quality standards



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Baton Rouge Area Design Values





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8-HOUR CONCENTRATION TRACKING 2006

FIVE-PARISH BATON ROUGE AREA

As of
May 16, 2006

	SITE	4th Max			DV as of 5/16/06	daily 8-hr max (ppb) for 2006					magic number 2006*	strikes*	Comments
		2004	2005	2006		1st	2nd	3rd	4th				
1	BAKER	87	84	72	81	89	83	73	72		84	3	
		05/08	08/13	04/05		04/23	05/01	04/10	04/05				
2	CAPITOL	74	81	59	71	77	69	65	59		100	4	
		05/04	10/18	04/29		04/23	05/01	04/10	04/29				
3	L.S.U.	91	97	67	85	83	76	74	67		67	0	out of attainment
		08/04	06/27	05/13		04/23	05/01	04/10	05/13				
4	PRIDE	79	84	72	78	81	80	72	72		92	4	
		05/06	08/13	04/24		05/01	04/05	04/10	04/24				
5	PORT ALLEN	82	86	67	78	85	80	72	67		87	4	
		08/17	09/10	04/28		04/23	05/01	04/10	04/28				
6	B. PLAQUEMINE	76	81	65	74	68	67	66	65		98	4	
		07/24	05/26	05/01		04/10	04/23	05/13	05/01				
7	CARVILLE	84	85	70	79	72	71	70	70		86	4	
		06/20	05/22	05/01		04/10	04/23	04/04	05/01				
8	GROSSE TETE	76	88	69	77	79	76	72	69		91	4	
		09/29	05/22	05/13		04/10	04/23	04/13	05/13				
9	DUTCHTOWN	82	78	65	75	72	67	67	65		95	4	
		09/28	08/16	04/05		04/23	04/10	05/13	04/05				
10	F. SETTLEMENT	75	77	72	74	81	77	74	72		103	4	
		05/08	04/16	05/13		04/23	05/01	04/05	05/13				

Please note: As of May 13, 2006, LSU site has caused the Baton Rouge 5-Parish area to be out of compliance with the 8-hr standard for the year 2006. The design value for the area is 85 ppb.

* magic number: number that will increase the 2006 design value to = or > 85 ppb

strikes: number of times the 8-hr concentration must reach the "magic number" to be out of attainment



Consequences of Failure-to-Attain

- Re-classification to *Moderate* (end-07)
- New Attainment Date – June 15, 2010
- Attainment SIP in 12 months (end-08)
- Modeled Attainment Demonstration
- Help?
 - from CAIR-NOx Reductions by 09
 - Federal clean fuels and vehicle fleet turnover
- Additional Controls for NOx? VOC?
- New Controls by May 1, 2009
- Survey for Status Post Chapter 22





OZONE SEASON 2006

- The five parish non-attainment area is one of the most heavily monitored areas in the country
- In 2004, DEQ issued Administrative Orders to 15 industries
- These orders required 22 extra monitors, internal audits and fence line monitoring by May 05
- The releases of highly reactive volatile organic compounds (potent ozone precursor) appear to be decreasing





The “HAWK”

Infrared gas imaging camera

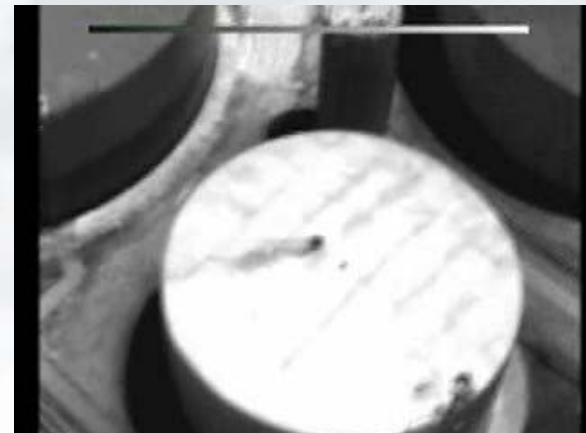
- Able to “see” emissions and leaks either handheld or from a helicopter
- Mobile – can identify leaks at industrial facilities, pipelines, barges, tank farms, railcars and trucks
- DEQ has purchased a handheld HAWK that will be used to spot leaks and help improve air quality





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HAWK Camera-what it sees



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HAWK Image of Leaking Propane Sphere



Invaluable tool to locate leaks after Hurricanes Katrina and Rita



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TAGA Technology

Trace Atmospheric Gas Analyzer

- Will monitor for VOCs, NO_x, Ozone, Sulfur Dioxide, particulate matter and more
- Mobile so it can go where the problems are
- Will allow quick analyses of the problem
- Speed investigations
- DEQ will take delivery of TAGA in August
- New tool in the arsenal to improve air quality

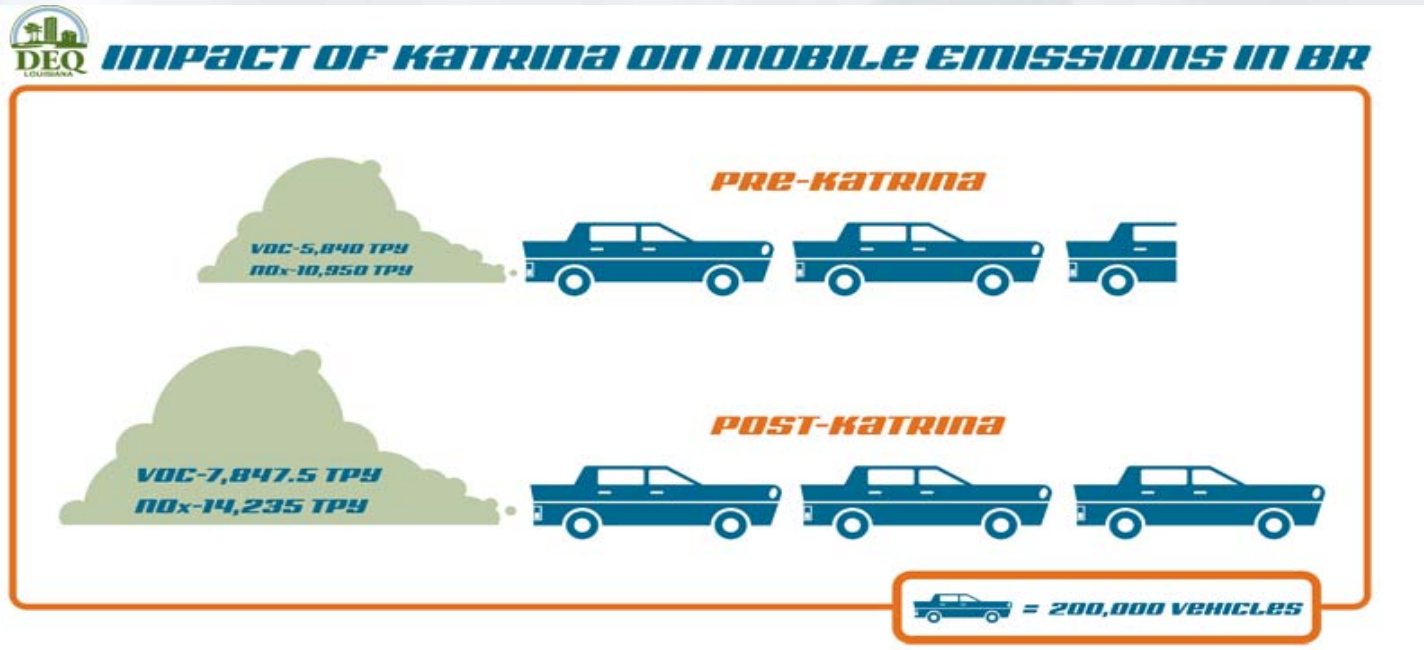


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OZONE SEASON 2006



- There are approximately 100,000 more cars in the nonattainment area
- 100,000 more cars equates to the emissions of more than 20 major sources
- This will cause more emissions of VOCs and NOx from mobile sources



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